

TRANSMITTAL FORM

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Total Number of Pages In This Submission 5 + European
Search Report + 8 references

Application Number	10/648,905
Filing Date	August 27, 2003
First Named Inventor	Hidenobu HAMADA
Art Unit	2874
Examiner Name	Sarah U. Song
Attorney Docket No.	MTS-3453US

ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
☐ Credit Card Payment Form Attached
- ☐ Amendment/Reply
☐ After Final
☐ Affidavits/Declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
Incomplete Application
☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a
Provisional Application
- ☐ Power of Attorney, Revocation,
Change of Correspondence
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- ☐ After Allowance Communication
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- ☐ Appeal Communication to Board
of Appeals and Interferences
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(Appeal Notice, Brief, Reply
Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please
identify below):
- > **EUROPEAN SEARCH
REPORT**
 - > **PTO FORM 1449**
 - > **8 REFERENCES**
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Firm Name **RatnerPrestia**

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Daniel N. Calder

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Daniel N. Calder

Date

December 8, 2004

Registration No.

27,424

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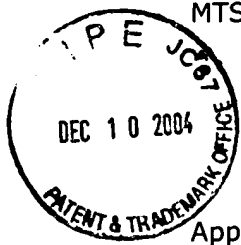
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MTS-3453US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: 10/648,905
Applicant: Hidenobu HAMADA
Filed: August 27, 2003
Title: SLAB WAVEGUIDE AND METHOD OF MANUFACTURING THE
SLAB WAVEGUIDE
TC/A.U.: 2874
Examiner: Sarah U. Song
Confirmation No.: 5089
Docket No.: MTS-3453US

SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form, other than U.S. patents, is enclosed.


Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed before mailing of the first Official Action. No first Official Action has yet been received and it is

presumed that none has yet been mailed. No fee or statement is required. 37
C.F.R. § 1.97(b).

Respectfully submitted,



Daniel N. Calder, Reg. 27,424
Attorney for Applicant

DNC/fp

Enclosures: PTO Form 1449 (2 sheets)
(#8) References
European Search Report
Transmittal Form

Dated: December 8, 2004

P.O. Box 980
Valley Forge, PA 19482
(610) 407-0700

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

DEC 10 2004

SHEET 1 of 2

Complete if Known

Application Number	10/648,905
Filing Date	August 27, 2003
First Named Inventor	Hidenobu HAMADA
Art Unit	2874
Examiner Name	Sarah U. Song
Attorney Docket No.	MTS-3453US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US 5,389,943 A	02/14/95	JOANNOPOULOS, et al.	
		US 4,657,344 A	04/14/87	Heinz Bohm	
		US 4,025,157 A	05/24/77	William E. Martin	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 02/063347 A	08/15/02	HO SENG-TIONG; ZHOU YAN (US); PHOSISTOR TECHNOLOGIES INC. (US)		<input type="checkbox"/>
		WO 02/091051 A	11/14/02	MANOLATOU CHRISTINA; MASSACHUSETTS INST TECHNOLOGY (US); MICHEL JURGE		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
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Examiner
Signature

Date
Considered

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¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/648,905
	Filing Date	August 27, 2003
	First Named Inventor	Hidenobu HAMADA
	Art Unit	2874
	Examiner Name	Sarah U. Song
SHEET 2 of 2		Attorney Docket No. MTS-3453US

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		European Search Report for EP 03 01 9006, dated November 16, 2004.	<input type="checkbox"/>
		Roberts, et al., "Guided mode analysis, and fabrication of a 2-dimensional visible photonic band structure confined within a planar semiconductor waveguide", MATERIALS SCIENCE AND ENGINEERING B, ELSEVIER SEQUOIA, LAUSANNE, CH, Vol. 49, No. 2, September 19, 1997, pp. 155-165.	<input type="checkbox"/>
		Beltrami, et al., "PLANAR GRADED-INDEX (GRIN) PECVD LENS", ELECTRONICS LETTERS, IEE STEVENAGE, GB, Vol. 32, No. 6, March 14, 1996, pp. 549-550.	<input type="checkbox"/>
		Baba, et al., "Strong enhancement of light extraction efficiency in GaInAsP 2-D-arranged microcolumns", JOURNAL OF LIGHTWAVE TECHNOLOGY IEEE USA, Vol. 17, No. 11, November, 1999, pp. 2113-2120.	<input type="checkbox"/>
		Johnson, et al., "Guided Modes in Photonic Crystal Slabs", PHYSICAL REVIEW, B. CONDENSED MATTER, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, Vol. 60, No. 8, August 15, 1999, pp. 5751-5758.	<input type="checkbox"/>
		Weisbuch, et al., "3D CONTROL OF LIGHT IN WAVEGUIDE-BASED TWO-DIMENSIONAL PHOTONIC CRYSTALS", IEICE TRANSACTIONS ON ELECTRONICS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, Vol. E84-C, No. 5, May, 2001, pp. 660-668.	<input type="checkbox"/>
		Krauss, et al., "PHOTONIC CRYSTALS IN THE OPTICAL REGIME - PAST, PRESENT AND FUTURE", PROGRESS IN QUANTUM ELECTRONICS, PERGAMON PRESS, OXFORD, GB, Vol. 23, No. 2, 1999, pp. 51-96.	<input type="checkbox"/>
			<input type="checkbox"/>
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Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

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